

A1 5. (Amended) A nucleic acid molecule of at least 15 nucleotides in length hybridizing specifically with a DNA sequence of claim 1 or with a complementary strand thereof.

6. (Amended) A vector comprising a DNA sequence of claim 1.

~~A2 8.~~ (Amended) A host cell containing a vector of claim 6 or 7.

A3 10. (Amended) A method for the production of a cell cycle interacting protein or an immunologically active or functional fragment thereof comprising culturing a host cell of claim 8 under conditions allowing the expression of the protein and recovering the produced protein from the culture.

~~5837 11.~~ (Amended) A cell cycle interacting protein or an immunologically active or functional fragment thereof encodable by a DNA sequence of claim 1 or obtainable by the method of claim 2 or 3.

A4 13. (Amended) A method for the production of transgenic plants, plant cells or plant tissue comprising the introduction of a DNA sequence of claim 1, or a vector of claim 6 or 7 into the genome of said plant, plant cell or plant tissue.

~~A5 15.~~ (Amended) A transgenic plant cell comprising a DNA sequence of claim 1 which is operably linked to regulatory elements allowing transcription and/or expression of the DNA sequence in plant cells or obtainable according to the method of claim 13 or 14.

A6 17. (Amended) A transgenic plant or a plant tissue comprising plant cells of claim 15.

A7 19. (Amended) A transgenic plant cell which contains stably integrated into the genome a DNA sequence of claim 1, or part thereof wherein the transcription and/or expression of the DNA sequence or part thereof leads to reduction of the synthesis of a cell cycle interacting protein in the cells.

A8 21. (Amended) A transgenic plant or plant tissue comprising plant cells of claim 19.

~~5837 23.~~ (Amended) Harvestable parts or propagation material of plants of any one of claims 17, 18, 21 or 22 comprising plant cells of claim 15 or 16.

24. (Amended) A regulatory sequence of a promoter regulating the expression of a nucleic acid molecule comprising the DNA sequence [of any one] of claim 1, said